



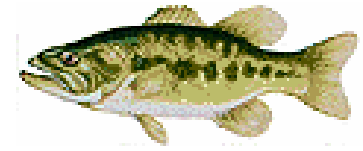
VILLAGE OF LINDENHURST
Lakes Commission Meeting Agenda
Tuesday, July 20, 2021
7:00 p.m.

- I. Call to Order
- II. Roll Call
- III. Approval of Minutes from the March 16 and May 18, 2021 Meeting
- IV. Commissioner Reports
 - A. Chairperson Report (Kraft)
 - B. Individual Lakes Commissioner Reports
 - C. Trustee Report (Dickson)
 - D. Village Report (Klahs)
- V. Old Business
- VI. New Business
 - A. Lake County Health Department Discussion Ms. Alana Bartolai
 - B. Outstanding Issues for Discussion Updates
- VII. Public Participation
- VIII. Adjournment

Rules for Public Comment: The Village of Lindenhurst welcomes comments from the public during the designated sections of the Village Board meeting. We ask that you keep your comments respectful, civil, and constructive to matters of public policy. Those wishing to comment will be limited to three (3) minutes per person and the total time allotted for public comment will be thirty (30) minutes. The Chair will recognize speakers and may deny someone who has previously addressed the Board an additional opportunity to speak. (VOL Village Code §30.22)



Lakes Commission Meeting
May 18, 2021
7:00 p.m.
Via Zoom



Ken Funk	Lake Waterford	Jim Stout	Park District Liaison
Tom Heinrich	Lake Springledge	Brad Winter	Lake Potomac
P.J. Hilbert	Village at Large	Caly Winter	Village at Large
Dave Kraft	Chair & Village at Large	Pat Dickson	Village Trustee
Kevin Lowry	Village at Large	Clay Johnson	Village Administrator
Fritz Meyer	Village at Large	Kevin Klahs	Director of Operations
Carlos Menor Salazar	Lake Linden	Dominic Marturano	Mayor
			bold = present

- I. Call to Order - The meeting was called to order at 7:00 pm
- II. Roll Call - Members of the Lakes Commission were present as indicated in **bold** above.
- III. Approval of Minutes
 A motion was made by Brad and seconded by P.J. to approve the minutes of the meetings of March 16, 2021, and May 6, 2021. The motion carried.

IV. Commissioner Reports

A. Chairperson Report – Dave began by reporting that the lakes treatment contract with McCloud Aquatic Services was approved by the Village Board, and that personnel from McCloud will be out on our lakes tomorrow. He went on to report that McCloud will normally make visits every 2 weeks and will try to keep the visits on Wednesdays. Dave said that at the start of the season meeting last week, representatives of McCloud were engaged and there was an understanding that there will be a single point of contact with respect to communications. McCloud personnel will not leave our lakes until an on-line report is made. In addition, Dave communicated the following points.

- There will be an end of year report and meeting with McCloud representatives.
- Treatment of Village lakes in the spring were concerning because covid and the absence of a new lakes’ treatment contract hindered early treatment. Nevertheless, Kevin K. was diligent in arranging for ILM to make some necessary algae treatments, and McCloud will now be on top of future treatment needs.

Following his report, Dave asked for the following reports from commissioners representing the various Village lakes.

B. Individual Lakes Commissioner Reports –

Waterford Lake Report – Newly appointed commissioner, Fritz, reported Waterford was pretty well covered with emerging vegetation except for the

central, deep part of the lake. He said that Thunder Bay was largely open, but some fibrous algae were beginning to develop.

Following Fritz's comments, Tom said that, despite Ken's absence, Ken had provided some comments that he wanted to share at the meeting. Tom communicated Ken's report as follows:

The water temperature on Waterford on 5/16 was 60 degrees Fahrenheit. The water level was the lowest that Ken has observed since the time the lake was drained. Thunder Bay was probably 50% or more curly leaf to the surface and somewhat murky from phytoplankton in the water column. Fishing was poor and fishermen and boaters were few. It has been an unusual spring with no noticeable midge or the normal tree swallows skimming the surface for them. There was no appreciable filamentous algae on Thunder Bay probably due to the massive biomass utilizing the nutrients. However, things were different in the warmer channel. The area between the bodies of water was totally algae choked with curlyleaf in and around the algae. The main lake again was full of curlyleaf. The whole east end and the Grass Lake/Red Rock shorelines were totally choked with curlyleaf, and large underwater algae blooms were present, and algae mats were beginning to form on the surface. The water column in the main lake was amazingly clear, likely due to the biomass utilizing the nutrients. That is expected to change as the biomass growth of the curlyleaf maxes out.

In his report, Ken reported his opinion that we are in this worst-case scenario because of three years of low or late sonar treatment. Ken reported that Lyle, a former McCloud employee, predicted this exact problem if we did not continue the regular and early use of Sonar. According to Ken, some residents on the lake with their pontoon boats are likely ready to register verbal upset with the condition of Waterford when compared to seasonal conditions back several years. He reported that lake was almost as bad as when he moved in in 1986.

Ken's report continued to say that the treatment of the biomass will be a touchy matter for the new applicators. This much biomass, killed off too quickly, will dramatically drop the dissolved oxygen which will likely present a serious concern for the fishery. Return of the biomass nutrients to the water column will likely result in an unpleasant level of filamentous algal blooms as the water heats to the usual 80 degrees F of summer.

In closing, Ken's report communicated that beaver damage was obvious around the lake, but the offender has not been observed. However, the muskrat population is increasing. Furthermore, very few turtles, and no frogs, have been observed so far this spring.

Potomac Lake Report – Brad reported that there were algae issues on Potomac, and although the water clarity was good, the water level was perhaps the lowest he has seen on the lake. He went on to report that fishing was very poor and there was minimal fishing activity on the lake. He reminded those in

attendance that there had been a fish kill on Potomac over the winter. At this point, Dave interjected that a representative of McCloud informed him that he (the McCloud representative) had heard of about 70 fish kills on the lakes with which he is familiar.

Brad ended his report by saying that there were plenty of frogs and buffleheads. He added that the swans had already come and are gone from the lake.

Caly added that she has not even seen fish from the shoreline of Potomac.

Springledge Lake Report – Tom reported that April was a difficult month for Springledge in terms of algae and water clarity. Tom said that on April 9, he alerted Kevin K. about the poor conditions on Springledge, and Kevin took swift action by contacting ILM for treatment. ILM came out on April 20 and treated for algae. ILM's treatment report stated that they noticed "a large amount of organic debris", for which they recommended "a sediment investigation study." Because Tom wanted more information about his recommendation, he contacted Debbie Budyak of ILM. Debbie responded with an email saying that Springledge has an accumulation of organic material throughout the lake, which is likely due to the numerous trees and steep shorelines. She went on to say that the recommended sediment study would gather detailed information about the lake and provide data driven recommendations. In addition, such a study would specifically identify the sources of organic material and quantify how much sediment material is in the lake. An updated bathymetric map of the lake would be developed as well. Once the study was completed, the information resulting from the study would help drive recommendations for future action. The cost for a study like this would typically be about \$1,600.

After ILM treated Springledge for algae, the lake looked much better for several weeks. Nevertheless, Tom reported that the conditions on Springledge were worsening once again. The biomass on the lake bottom was developing rapidly and the algae was reappearing quickly. The north end of the lake was dominated by algal mats, and there was a surrounding bright green scum that he did not think was blue-green algae. He said about 15% of the entire lake was covered by algae at the time of the report.

Tom continued his report by saying that the lake level was low, and water was not flowing out of the outlet on the south end of the lake. He said that he has not seen a lot of fishing on the lake recently, but he has observed quite a few fish beneath the surface during kayak rides. As usual, he said, there were quite a few turtles as well as Canada geese, blue herons, green herons, and white egrets. Some residents have been frequenting the lake with kayaks and canoes.

Tom ended his report by thanking Kevin K. for his help in making sure that Springledge received an early treatment. He said that without that early treatment, Springledge's unchecked algae problems would surely have been worse.

Linden Lake Report – Carlos reported that the lake was clear of algae at this time, but the water levels were low. He continued his report by saying that kayakers and fishermen were observed on the lake.

- C. Trustee Report – Pat clarified that the Village Board has passed the budget to allow for McCloud to begin treatment on the Village lakes.
- D. Village Report – Kevin K. reported that representatives of McCloud asked if it was permissible to engage in fishing activities on the Village lakes occasionally. Kevin gave his permission and wanted members of the LLC to know that they might observe McCloud's applicators fishing on the lake from time to time.

V. Old Business: None

VI. New Business:

- A. McCloud Contract – Dave informed members of the LLC that McCloud will go out on the lakes tomorrow. He said that McCloud has a plan of attack, and they are aware of our battles with curly leaf pondweed. He went on to say that since this is one of the driest spring seasons on record, nutrients are not getting diluted on the lakes. In addition, Dave reported that McCloud can perform mechanical macrophyte removal, but it is not on the schedule, nor is it officially planned at this time. Nevertheless, Dave said that mechanical removal is something that can be considered if it becomes necessary.
- B. Lakes Fisheries – Dave informed members of the LLC that he communicated with Frank Jakubicek, a fisheries biologist with the Illinois Department of Natural Resources (IDNR) about the presence and possible negative aspects of northern pike in our Village lakes. Frank informed Dave that northern pike are found on some of our lakes, and they enter in a variety of ways, including from Hastings Lake. In addition, Frank opined that the presence of northern pike is not problematic for our fisheries because there is insufficient habitat for them to spawn. Therefore, it is very unlikely that they will be able to take over any of the Village lakes.

A discussion about restocking Waterford included comments that muskie fishing has dropped off. Nevertheless, Frank had suggested that there was no need to restock muskie in the fall but restocking largemouth bass might be reasonable.

A discussion about restocking Potomac because of the recent fish kill ensued. Dave said that Frank J. acknowledged that fish kill problems were common early in the year. Brad expressed a desire to have a fish stocking plan in place soon. He said that the plan should specify which fish should be stocked and the timing of the endeavor. P.J. added that fall or early spring are usually the appropriate times to restock, and he said that he had no issues with restocking in Fall. Dave reminded members of the LLC that there was money in the budget for restocking. The discussion ended with a general agreement that Dave will get restocking quotes from McCloud before July and P.J. will get quotes from Keystone.

- C. Lake Management Plan – Dave said he will contact Alana Bartolai of the Lake County Health Department and invite her to an upcoming LLC meeting to advise us on developing a comprehensive lake management plan.
- D. Miscellaneous Outstanding Issues – In response to Fritz’s question, Dave said that McCloud has agreed to issue a lake treatment report before they leave the lake after treatment. In addition, Dave said that Springledge might be a good test for the use of alum or Phoslock, which binds to phosphorous in the water column and “locks it up.” Dave said he will discuss this possible treatment with McCloud.

VII. Public Participation: A resident on Lake Linden commented that the pond weed growth on the southwest portion of the lake was very high, and it was necessary to raise the propellor on his pontoon boat in order to get through the area. In addition, he commented that the water temperature was 70 degrees.

VIII. Adjournment:

There was a motion made by Tom to adjourn the meeting and seconded by Fritz. The meeting ended at 7:52 PM.

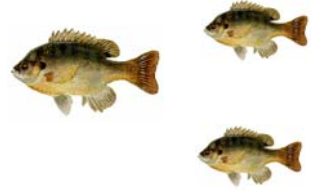
Respectfully submitted,

Tom Heinrich
Recording Secretary

LLC Public Participants

<u>Name</u>	<u>Address</u>
John Filippo	
Tom Schwab	

Reminder: Next Meeting Tuesday, July 20, 2021, at 7:00 p.m.





McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/19/2021 8:33 AM

WORK ORDER

WO-42017

Customer

Name:	Village of Lindenhurst	Contact:	██████████
Service Location Address:	Lake Linden		847-356-8252
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	12.1
Filamentous Algae::	1-5% filamentous algae growth present on a few surface areas
Water Temperature::	66.8
Chara/Nitella::	75% chara growth
Submerged Weeds::	5% horned/sago pondweed growth
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	██████████
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	05/19/2021 12:00 AM

Work Done

Description:	Today I treated for the small amount of algae growth and primarily the excessive chara growth in the lake. Today's application was focused on cleaning up the perimeter of the Lake and resident's beach/dock and the areas surrounding. The plan is to keep working from the outside in, and to slowly knock out areas of excess growth in focused sections to allow for a stronger treatment in the designated areas and also as a safety measure so that we don't overtreat and cause massive oxygen spikes.
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5.19.21

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McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/19/2021 8:35 AM

WORK ORDER

WO-42018

Customer

Name:	Village of Lindenhurst	Contact:	██████████
Service Location Address:	Lake Potomac		847-356-8252
	646 Federal Pkwy		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Potomac Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 11.8

Filamentous Algae:: 20% surface algae, 30% benthic algae

Water Temperature:: 67.1

Chara/Nitella:: 60% chara

Submerged Weeds:: 50% mix of horned/sago pondweeds

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: ██████████

Priority: Non Urgent

Appointment Type: Scheduled

Promised Arrival Time: 05/19/2021 12:00 AM

Work Done

Description: Today I treated for filamentous algae growth and tall chara growth in shallow areas. The algae will likely take about a week to clear up. When I am back out on Monday for service on the bi-weekly schedule I will go after excess pondweed growth in Potomac lake.

5.19.21
 ██████████

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██████████	██████████



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/19/2021 8:38 AM

WORK ORDER

WO-42019

Customer

Name:	Village of Lindenhurst	Contact:	██████████
Service Location Address:	Spring Ledge		847-356-8252
	2558 Mallard Dr.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Spring Ledge Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 10.9

Filamentous Algae:: 15-20% surface and benthic algae

Water Temperature:: 65.8

Chara/Nitella:: 10% chara

Submerged Weeds:: 5-10% horned/sago pondweed

Free Floating Plants (Duckweed/Watermeal) :: 1-5% duckweed

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: ██████████

Priority: Non Urgent

Appointment Type: Scheduled

Promised Arrival Time: 05/19/2021 12:00 AM

Work Done

Description: I treated the spring ledge pond for filamentous algae growth present on both the surface and benthically. Please allow about a weeks time for the algae to clear up out of the pond!

5.19.21

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McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/19/2021 8:40 AM

WORK ORDER

WO-42020

Customer

Name: Village of Lindenhurst **Contact:** [REDACTED]
Service Location Address: Waterford Lake 847-356-8252
 2485 Teal Rd.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Waterford Lake Standard Pond/Lake Contract Done
 -
Dissolved Oxygen (PPM):: 10.8
Filamentous Algae:: Some scattered filamentous algae growth present on top of weed beds around the lake, 5-10% coverage
Water Temperature:: 65.7
Chara/Nitella:: Chara growth was observed in various portions s of the Lake, roughly 15% coverage observed
Submerged Weeds:: Full Lake infestation of Curlyleaf pondweed
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 30
Livestock Drinking Restrictions in Days:: 0
Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 05/19/2021 12:00 AM

Work Done

Description: Today I made a flouridone application around the entire shoreline and then also as a few cross sections across the lake. This is step 1 in our process to knock out the curlyleaf. When we return Monday we will come in with a round of diquat to burn down and clear up the weed growth a bit more quickly.
 Areas of algae may clear up from today's application as I did mix in small amount of algaecide and the algae species present (spirogyra) is relatively weak. The algae will be hit again on the next service as well with a bit more emphasis.
 5.19.21
 [REDACTED]



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 05/24/2021 1:06 AM

WORK ORDER

WO-42408

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Lake Linden 847-356-8252
 2100 Sprucewood Ln.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Lake Linden Standard Pond/Lake Contract Done
 -

Dissolved Oxygen (PPM):: 13.4
Filamentous Algae:: No filamentous algae growth present on the Lake surface
Water Temperature:: 77.3
Chara/Nitella:: 50-60% Chara
Submerged Weeds:: 5% Horned pondweed growth observed
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 0
Livestock Drinking Restrictions in Days:: 0
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 05/24/2021 12:00 AM

Work Done

Description: Today I took a trip around the lake checking the progress of the chara application made last week and also checking water parameters throughout the Lake. Everything appeared pretty good with a bit of Chara getting knocked out along a few shoreline areas. The Western shoreline did have a bend of some pretty dense growth which calcified and has bleached on the top of the growth poking out of the water.
 I did not make any chemical applications today as our primary algaecides to combat chara require a 14 day grace period between treatments according to product labels. The plan of attack on the next service will be continuing to knock out tall shoreline chara growth for residents dock/Beach areas while leaving deeper growth for the aquatic ecosystem!
 5.26.21
 [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/24/2021 1:06 AM

WORK ORDER

WO-42407

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Lake Potomac 847-356-8252
 646 Federal Pkwy
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Lake Potomac Standard Pond/Lake Contract Done
 -
Dissolved Oxygen (PPM):: 14.7
Filamentous Algae:: Roughly 5-10% algae
Water Temperature:: 79.2
Chara/Nitella:: 60% chara
Submerged Weeds:: 50% cover of native Sago/horned Ed pondweeds and 5% invasive curlyleaf pondweed observed
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 3
Livestock Drinking Restrictions in Days:: 1
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 05/24/2021 12:00 AM

Work Done

Description: Today I treated for areas of excess native weed growth and the small portion of invasive weeds. Most of the algae was browned and submerged decomposing from the previous application last week, There was a few spots of new growth that popped as well.
 Native plants are a bit more resilient to our chemical combos compared to native plants so getting the lake here back to a healthy state may take a few applications. This will hopefully also allow for us to better control the quantity of native plants that end up sticking around as healthy growth once things are at that stage.
 5.26.21
 [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/24/2021 1:06 AM

WORK ORDER

WO-42406

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Spring Ledge 847-356-8252
 2558 Mallard Dr.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Spring Ledge Standard Pond/Lake Contract Done
 -
Dissolved Oxygen (PPM):: 9.7
Filamentous Algae:: 5% filamentous algae
Water Temperature:: 75.6
Chara/Nitella:: 5-10% chara
Other:: A good amount of cottonwood spores present on the water surface
Submerged Weeds:: 5-10% horned pondweed, 1-5% immature curlyleaf pondweed growth present
Free Floating Plants (Duckweed/Watermeal) :: Less than 1% duckweed
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 3
Livestock Drinking Restrictions in Days:: 1
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 05/24/2021 12:00 AM

Work Done

Description: Today I sprayed for the small amount of filamentous algae growth present on the pond. Most of the algae was looking pretty rough as is so the application made should knock the growth down nicely! I also did some spot treating for the few areas of invasive curlyleaf pondweed, the application made should leave native plants untouched.

5.26.21
 [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 05/24/2021 1:06 AM

WORK ORDER

WO-42405

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Waterford Lake 847-356-8252
 2485 Teal Rd.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Waterford Lake Standard Pond/Lake Contract Done
 -
Dissolved Oxygen (PPM):: 11.6
Filamentous Algae:: 1% filamentous algae growth observed as a few random clouds of spirogyra
Water Temperature:: 73.5
Chara/Nitella:: Chara observed in 25% of the Lake
Submerged Weeds:: The curlyleaf infestation is still present but beginning to show signs of stress from the flouridone
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 23
Livestock Drinking Restrictions in Days:: 0
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 05/24/2021 12:00 AM

Work Done

Description: Today I made a secondary application for the invasive curlyleaf present throughout the lake. The main areas hit were around the lake perimeter to out roughly 100yds from shoreline. I also sprayed a few thick spots out in the middle of the Lake but elected to focus mostly on the more dense growth around the shoreline and dock areas. This will hopefully free up the water column and allow residents to enjoy the immediate dock area and to also be able to get there boats out into the lake.
 On a very positive note, many areas of curlyleaf were already showing some good signs of flouridone stress with browning leaflets and a few top layers of growth being relatively withered.
 5.26.21
 [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/21/2021 12:20 AM

WORK ORDER

WO-44945

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Lake Linden 847-356-8252
 2100 Sprucewood Ln.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Lake Linden Standard Pond/Lake Contract Done

-
Dissolved Oxygen (PPM):: 8.9
Filamentous Algae:: No filamentous algae growth present on the Lake
Water Temperature:: 72.8
Chara/Nitella:: Roughly 50% observed chara growth, a few thick areas
Submerged Weeds:: No submerged weed growth could be observed
Free Floating Plants (Duckweed/Watermeal) :: 0
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 0
Livestock Drinking Restrictions in Days:: 0
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 06/21/2021 12:00 AM

Work Done

Description: Today I did not perform any treatments on Lake Linden as things are looking pretty good and at times wind gusts caused a good concern for chemical drift! The chara which was topping out and very close to it last service has scaled back to a healthier state. I will likely gobarpund with another chara application on the next service, the week before the 4th to ensure things are clean for the holiday weekend!

6.23.21
 [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/21/2021 12:20 AM

WORK ORDER

WO-44944

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Lake Potomac **847-356-8252**
Address:
 646 Federal Pkwy
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Lake Potomac Standard Pond/Lake Contract Done

Dissolved Oxygen (PPM):: 9.0
Filamentous Algae:: No filamentous algae growth
Water Temperature:: 72.2
Chara/Nitella:: 20% chara observed
Submerged Weeds:: 10-15% horned/sago observed, more growth is definitely possible
Free Floating Plants (Duckweed/Watermeal) :: 5% duckweed
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 0
Livestock Drinking Restrictions in Days:: 0
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 06/21/2021 12:00 AM

Work Done

Description: Today I did some spot treating for a few spots of topped out weed growth that could be observed, this may also take out a chunk of the duckweed growth present as well. The application may not have the best success depending on the weather and how the sediments stirred near the application site. The lake does look substantially better today but it could in part be due to the recent rain. Water was very turbid making submerged observations difficult and water is still a bit low.

[REDACTED]
 [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/21/2021 12:20 AM

WORK ORDER

WO-44943

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Spring Ledge 847-356-8252
 2558 Mallard Dr.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Spring Ledge Standard Pond/Lake Contract Done

Dissolved Oxygen (PPM):: 8.8
Filamentous Algae:: roughly 5-10% algae as a ring around the shoreline and a few small open water patches
Water Temperature:: 73.5
Chara/Nitella:: 5% light and healthy chara
Submerged Weeds:: No submerged weed growth could be observed
Free Floating Plants (Duckweed/Watermeal) :: 5% duckweed
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 3
Livestock Drinking Restrictions in Days:: 1
Fish Consumption Restrictions in Days:: 0

Assignment

Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 06/21/2021 12:00 AM

Work Done

Description: Today I treated for the algae growth present as well as the small amount of duckweed growth. With the cloudy weather and potential (very low) chance of rain in the next few hours the product for the duckweed may not be that effective. Overall things are looking pretty good here and today is just a minor touch up!

6.23.21
 [REDACTED]

[REDACTED]

[REDACTED] [REDACTED]
 [REDACTED] [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 06/21/2021 12:20 AM

WORK ORDER

WO-44942

Customer

Name: Village of Lindenhurst - INV CC **Contact:** [REDACTED]
Service Location Address: Waterford Lake 847-356-8252
 2485 Teal Rd.
 Lindenhurst, IL 60046
Billing Address: 2301 E. Sand Lake Rd..
 Lindenhurst, IL 60046

Problem

SR-Waterford Lake Standard Pond/Lake Contract Done
 -
Dissolved Oxygen (PPM):: 9.8
Filamentous Algae:: Less than 1% algae as a few scattered clouds of spirogyra
Water Temperature:: 72.3
Chara/Nitella:: 15-20% healthy chara growth observed
Submerged Weeds:: 5% horned pondweed growth scattered around a few shallow areas
Swimming Restrictions in Days:: 0
Irrigation Restrictions in Days:: 0
Livestock Drinking Restrictions in Days:: 0
Fish Consumption Restrictions in Days:: 0

Assignment

[REDACTED] [REDACTED]
Priority: Non Urgent
Appointment Type: Scheduled
Promised Arrival Time: 06/21/2021 12:00 AM

Work Done

Description: Today I boated around the lake for inspection and multiple water parameter checks. Growth on the Lake is looking pretty good with a healthy quantity of Chara growth and small amounts of native pondweeds; water level is still down a bit. Areas of Chara did appear a bit beaten up from the previous service. I sprinkled some granular algaecide inside of spirogyra algae clouds and chopped them up with my prop to help clear that up as well. Winds were picking up upon arrival and the water column was a bit turbid. Overall things are looking good and hopefully we see some more rain to help restore some depth to the lake.

6.23.21
 [REDACTED]

[REDACTED]

[REDACTED] [REDACTED]

[REDACTED] [REDACTED]



McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 07/05/2021 12:20 AM

WORK ORDER

WO-46209

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Pam Hidding
Service Location Address:	Lake Linden		847-356-8252
	2100 Sprucewood Ln.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Linden Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	9.3
Filamentous Algae::	1% filamentous algae
Water Temperature::	76.2
Chara/Nitella::	Roughly 30-40% chara growth observed
Submerged Weeds::	1-5% sago pondweed
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	07/05/2021 12:00 AM

Work Done

Description:	Lake Linden was looking pretty good today upon inspection; I did spot treat for scattered areas of dense chara growth near shoreline docks/beaches in an attempt to give a bit more swimming and casting distance. Overall today was more of a touch up application as the Lake is doing very good this season!
	7.8.21
	Josh

Invoice

Status:	Not prepared
Amount:	\$931.77

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:09

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Additional Services & Consulting offered: MOSQUITO solutions, FISH stocking, WEED & ALGAE solutions, EMERGENT VEGETATION control, WATER QUALITY ENHANCEMENT programs and WATER QUALITY TESTING, AERATION sales & services.



McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 07/05/2021 12:20 AM

WORK ORDER

WO-46208

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Pam Hidding
Service Location Address:	Lake Potomac		847-356-8252
	646 Federal Pkwy		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Lake Potomac Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 9.0

Filamentous Algae:: 10% algae

Water Temperature:: 75.8

Chara/Nitella:: 50% chara

Submerged Weeds:: Roughly 20% horned/sago pondweed

Free Floating Plants (Duckweed/Watermeal) :: roughly 10-15% watermeal

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 3

Livestock Drinking Restrictions in Days:: 1

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: Josh Rogers

Priority: Non Urgent

Appointment Type: Scheduled

Promised Arrival Time: 07/05/2021 12:00 AM

Work Done

Description: Today I spot treated for areas of filamentous algae growth and topped outbsago pondweed growth present on Lake Potomac. The Lake is looking relatively good as the native growth is all staying below the water surface! I did not treat for the watermeal growth today; we do require additional service contracts for that type of vegetation as it requires different products and is more difficult to control. We can look at doing per app or per acre pricing as well! Please let us know if there is any interest!

7.8.21
Josh

Invoice

Status: Not prepared

Amount: \$931.77

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:43

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McCloud Aquatics
 705 E. North St.
 Elburn, IL 60119

Date Created: 07/05/2021 12:20 AM

WORK ORDER

WO-46207

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Pam Hidding
Service Location Address:	Spring Ledge		847-356-8252
	2558 Mallard Dr.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd.		
	Lindenhurst, IL 60046		

Problem

SR-Spring Ledge Standard Pond/Lake Contract Done

-

Dissolved Oxygen (PPM):: 10.3

Filamentous Algae:: 15-20% filamentous algae growth around the shoreline and a mass of scattered algae in open water

Water Temperature:: 81.4

Chara/Nitella:: 5% healthy chara

Submerged Weeds:: 5% sago/horned pondweed

Free Floating Plants (Duckweed/Watermeal) :: 1-5% duckweed

Swimming Restrictions in Days:: 0

Irrigation Restrictions in Days:: 0

Livestock Drinking Restrictions in Days:: 0

Fish Consumption Restrictions in Days:: 0

Assignment

Primary Tech: Josh Rogers

Priority: Non Urgent

Appointment Type: Scheduled

Promised Arrival Time: 07/05/2021 12:00 AM

Work Done

Description: Today I treated for the scattered filamentous algae growth present across the water surface. Between the application made and the (hopefully) rain forecasted this evening we should see some good results!

7.7.21
 Josh

Invoice

Status: Not prepared

Amount: \$931.77

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	0:28

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McCloud Aquatics
705 E. North St.
Elburn, IL 60119

Date Created: 07/05/2021 12:20 AM

WORK ORDER

WO-46206

Customer

Name:	Village of Lindenhurst - INV CC	Contact:	Pam Hidding
Service Location Address:	Waterford Lake		847-356-8252
	2485 Teal Rd.		
	Lindenhurst, IL 60046		
Billing Address:	2301 E. Sand Lake Rd..		
	Lindenhurst, IL 60046		

Problem

SR-Waterford Lake Standard Pond/Lake Contract	Done
-	
Dissolved Oxygen (PPM)::	9.8
Filamentous Algae::	5% filamentous algae growth present as a very small amount ofngreen healthy growth, and mostly as beaten upngrowth floating on weed beds
Planktonic Algae::	Some suspended diatoms along the Northwest shoreline
Water Temperature::	77.6
Chara/Nitella::	Roughly 20-30% chara
Submerged Weeds::	10-15% sago and horned pondweed, Roughly 5% Vallisneria (eel grass)
Swimming Restrictions in Days::	0
Irrigation Restrictions in Days::	0
Livestock Drinking Restrictions in Days::	0
Fish Consumption Restrictions in Days::	0

Assignment

Primary Tech:	Josh Rogers
Priority:	Non Urgent
Appointment Type:	Scheduled
Promised Arrival Time:	07/05/2021 12:00 AM

Work Done

Description: Today I did some treating around the shoreline for areas of filamentous and planktonic algae, excess and floating chara, and a few patches of unruly sago pondweed. The Northwest/northern area of Waterford Lake appears to be experiencing a bit more growth today, this could be a result of stormy weather pushing growth, or higher nutrient availability in that section ofnthe lake, among a few other variables. The planktonic algae present didn't appear to be anything alarming today but as we approach the season for Harmfal Algal Blooms I will be sure to keep my eyes out for any cyanobacterias.

I anticipate I may be making a more thorough submerged weed application on the next service, especially if we see more growth of the current population; if things become out of hand before then please let us know and we will schedule someone out to clean things up! The eel grass present is an interesting plant as it is very resilient to our products and there isn't a lot we can do with it chemically; we can always look at doing a mechanical harvesting however in my experience the eel grass rarely causes much of an issue with boat props and it provides great habitat for the ecosystem!

Invoice

Status: Not prepared

Amount: \$931.77

Notes

There are no notes.

Attachments

There are no attachments.

Times Posted

Primary Tech:	En Route	Work
Josh Rogers	-	1:35

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